

Appl. No. 10/634,565
Amendment dated March 22, 2005
Reply to Office action of March 2, 2005

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1-39 (canceled)

5 Claim 40 (original): A corona discharge electrode assembly for an electrostatic precipitator having a collector electrode spaced from a discharge electrode by a gap to facilitate corona discharge therebetween, said corona discharge electrode assembly comprising a drum extending along an axis and having a plurality of electrically conductive spikes extending radially therefrom to provide a plurality of corona discharge tips spaced from said collector electrode by said gap.

Claim 41 (new): A corona discharge electrode assembly for an electrostatic precipitator having a collector electrode spaced from a discharge electrode by a gap to facilitate corona discharge therebetween, said corona discharge electrode assembly having a plurality of focused corona discharge locations for corona discharge to said collector electrode.

Claim 42 (new): The corona discharge electrode assembly according to claim 41 wherein said corona discharge electrode assembly comprises an electrically conductive drum having said plurality of focused corona discharge locations along said drum for corona discharge to said collector electrode.

Claim 43 (new): The corona discharge electrode assembly according to claim 42 wherein said drum has a drum wall, and said plurality of focused corona discharge locations comprise a plurality of point projections along said drum wall.

Appl. No. 10/634,565
Amendment dated March 22, 2005
Reply to Office action of March 2, 2005

Claim 44 (new): The corona discharge electrode assembly according to claim 43 wherein said plurality of point projections extend radially outwardly from said drum wall and provide a plurality of corona discharge tips.